



Description

Cimperial HD814FF is a formaldehyde releasing biocide free reliable heavy-duty metalworking fluid. It is an excellent all-round emulsion suitable for many heavy-duty machining operations as well as for grinding.

Application

Cimperial HD814FF can be used without problems for a great number of metals ranging from aluminium to steel and stainless steel. Cimperial HD814FF is suitable for most used aluminium types.

Cimperial HD814FF is especially developed for use in hard water (15 to 30°dH in starting water). Cimperial HD814FF is designed for use in individual machines and in central systems.

Features and benefits

Cimperial HD814FF is an excellent multipurpose and absolutely hassle-free fluid. It provides a high quality finish and excellent stability. This stability ensures a long fluid life, which makes Cimperial HD814FF a very cost-effective product.

Cimperial HD814FF contains no formaldehyde releasing biocides.

Cimperial HD814FF is a mild and clean product. It will keep grinding wheels open and maintains machine cleanliness, even in harder water.

Cimperial HD814FF notably improves production. Effective lubricants provide a high quality finish and an increased production.

Cimperial HD814FF shows excellent corrosion control even in harder water.

Methods of application

Cimperial HD814FF is easy to mix, normal stirring only. For automatic mixing, the use of the Cimcool® Mix Master or Cimcool Mix Master S is recommended. Typical starting water temperature conditions should be 5 - 25°C.

Recommended starting concentration

| | |
|----------------------|----------|
| Grinding & Machining | 5 - 10 % |
|----------------------|----------|

Mix Master S

Concentration** can easily be obtained by setting the regulator to the correct number.

** The concentration may vary depending on local conditions. It is therefore always advised to check using the refractometer or TA Kit.

Concentration analysis

For concentration analysis, use one of the below given methods or an appropriate laboratory procedure available from your local stockist.

| | |
|-----------------------|-----|
| Refractometer factor: | 1.2 |
|-----------------------|-----|

If the refractometer is used, the resultant reading multiplied by a factor of 1.2 will only be relevant when applied to a fresh mix.

| Cimcool TA kit | Use 2 ml. mix | | | | | | | | | *: next syringe |
|----------------|---------------|------|------|------|------|------|------|------|------|-----------------|
| % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Reading | 0.87 | 0.76 | 0.65 | 0.55 | 0.44 | 0.33 | 0.22 | 0.11 | 0.00 | *.89 |

Handling and storage

Protect from freezing, direct sun and store between 5 - 35°C.

Packaging type

5, 25, 200 and 1.000 litre and bulk.

Safety Data Sheet

The Safety Data Sheet should be consulted for specific information and information on Health, Safety and Environment when handling this product.



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